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has fulfilled his share of the work. It must be confessed, however, that one misses in every chapter, almost on every page, a reference to the work which has been done on similar lines by the famous teachers and lecturers of England and America. It is doubtless true that the apparatus described in this book is that most generally available for German teachers; but in countless cases various improvements made by lecturers of other countries would be of great advantage in the teaching of physics in German institutions.

Müller-Pouillet, Lehrbuch der Physik. Edited by LEOPOLD PFAUNDLER. Tenth edition. Volume I. Vieweg, Brunswick. 1905.

In this tenth edition of this well-known standard book on physics, the editor has received the cooperation, in various chapters, of Lummer, Wassmuth, Perntner, Drucker, Kaufmann and Nippoldt, and undoubtedly the entire work when it is published will be much more complete than in the past. In the volume before us, which is devoted to 'Mechanics and Acoustics,' the number of pages and number of illustrations are less than in the previous edition; but the size of the pages has been enlarged, and the illustrations are all that could be desired. The book is designed not specially for students of physics, but for students of natural history, medicine and pharmacy as well, and also for use by makers and designers of physical apparatus. It fulfills its purpose admirably, giving many interesting details in regard to the construction of the apparatus and the theory of the experiments.

In this first volume it is impossible to give unlimited praise, owing to the almost complete absence of reference to the work of English students, and also to the fact that so few references are given to recent work. To a student who wishes to become acquainted with the main phenomena of physics, and who is not specially interested in the most recent theories, this volume will prove most valuable. The former edition of this treatise on physics has long filled a place of its own in all libraries, and it is undoubtedly true that the present edition will be even more acceptable.

J. S. AMES.

SCIENTIFIC JOURNALS AND ARTICLES.

THE May number of the *Journal of Nervous and Mental Disease* opens with a study of cerebellar tumors and their treatment by Drs. J. J. Putnam and G. A. Waterman. A number of operations for the relief of such tumors are reported, in three of which the results were decidedly satisfactory. Dr. E. B. Angell contributes a paper on hypesthesia and hypalgesia and their significance in functional nervous disturbances, and under the title, 'The Coming of Psychasthenia' Dr. Blumer discusses the importance of nomenclature in nervous and mental disease and advocates the adoption of Janet's 'Psychasthenia.'

THE first attempt to list and classify the Diptera of Minnesota has been made this year in the shape of the Annual Report of the Minnesota State Entomologist. The report is illustrated with drawings of various species of flies and two excellent colored plates. Since this work has come from the press seventy-five additional species have been collected within the boundaries of the state. These have been named and listed, and sent to entomologists and others likely to be interested. Any one who has not already received the report and the appendix who desires them can obtain the same by writing to Mr. F. L. Washburn, State Experiment Station, St. Anthony Park, Minn. Cloth-bound report requires eight cents for postage, paper-bound copies six cents.

THE Gebrüder Bornträger, of Halle, announce the publication of a *Zeitschrift für Gletscherkunde*, which is to be the organ of International Glacier Commission and will be edited by Professor Edouard Brückner, of the University of Halle. The journal will appear at irregular intervals, the subscription price being sixteen Marks for a volume of five numbers.

SOCIETIES AND ACADEMIES.

THE TORREY BOTANICAL CLUB.

THE club met on April 25 in the museum building at the New York Botanical Garden. President Rusby presided and there was an attendance of sixteen.